

August 29, 2016

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing October 4, 2016, to utilize a 9.2m Ka-band antenna located at its Riverside, California teleport to provide launch and early orbit phase (“LEOP”) services for the NBNC0-1B (also known as Sky Muster 2) satellite. NBNC0-1B is expected to be launched on October 4, 2016.² The LEOP period is expected to last approximately 10 days.³

The NBNC0-1B LEOP operations will be performed in the following frequency bands: 29505.5 MHz and 29507.5 MHz (LHCP) in the uplink, and 19345.0 MHz and 19347.0 MHz in the downlink (LHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the NBNC0-1B LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat hereby attaches Exhibit A, a waiver request.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The in-orbit testing and the permanent orbital location of NBNC0-1B, which Intelsat understands is licensed by Australia, will be 144.8° E.L.

³ Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

⁴ SSL, the manager of the NBN-1B LEOP mission, will handle the coordination.

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Finally, Intelsat clarifies that during the NBNSCo-1B mission, SSL will serve as the mission manager. SSL will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to SSL. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the NBNSCo-1B satellite. This, in turn, will help provide broadband services at the 144.8° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is written in a cursive style.

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais